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## Claims

- 1. An insulating structure comprising a surface, at least a portion of said surface having a patterned texture.
- 2. An insulating structure as claimed in Claim 1, in which 5 the patterned texture is two-dimensional.
  - 3. An insulating structure as claimed in Claim 2, in which the width, radius or circumference of said insulating structure is non-uniform along its length.
- 4. An insulating structure as claimed in Claims 2 or 3, in 10 which the patterned texture is fluted.
  - 5. An insulating structure as claimed in Claim 3, in which said insulating structure is elongated and longitudinally fluted.
- 6. An insulating structure as claimed in Claims 4 or 5, in 15 which the flute depth at any point on said structure varies according to the width, radius or circumference of the structure.
- 7. An insulating structure as claimed in Claim 6, in which the perimeter length for all transverse sections of said 20 insulating structure is substantially constant along the length of the structure.
  - 8. An insulating structure as claimed in Claim 4, in which the fluting has a sinusoidal or saw-tooth profile.
- 9. An insulating structure as claimed in Claim 1, in which 25 the patterned texture is three-dimensional.

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- 10. An insulating structure as claimed in Claim 9, in which said insulating structure is formed with an array of protuberances.
- 11. An insulating structure as claimed in Claims 9 or 10, in 5 which said insulating structure is formed with an array of concavities.
- 12. An insulating structure as claimed in any of Claims 9 to 11, in which said protuberances and/or concavities are geometrical sections of spherical, ellipsoidal, paraboloidal, 10 hyperboloidal, conical or other symmetric form.
  - 13. An insulating structure as claimed in any of Claims 9 to 12, in which the form of the protuberances and/or concavities is such that the surface area of said insulating structure is substantially constant along its length.
- 15 14. An insulating structure as claimed in any of Claims 9 to 12, in which the form of the protuberances and/or concavities is such that the surface area of said insulating structure is controlled to produce a defined variation along its length.